

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 01:04:03 ; Search time 85 Seconds
(without alignments)
4860.407 Million cell updates/sec

Title: US-09-308-829-1
Perfect score: 936
Sequence: 1 caacttgactattaaatg.....gagcttaacctactaattta 936

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	60.6	6.5	1511	1 US-07-991-867B-8	Sequence 8, Appli
C 2	60.6	6.5	1511	1 US-08-107-755A-8	Sequence 8, Appli
C 3	60.6	6.5	1511	2 US-08-544-332-8	Sequence 8, Appli
C 4	60.6	6.5	1511	4 US-09-370-861A-8	Sequence 8, Appli
C 5	59	6.3	665	2 US-08-883-795A-36	Sequence 36, Appli
C 6	58.4	6.2	837	3 US-08-998-416-288	Sequence 288, App
C 7	54	5.8	861	4 US-09-601-198-66	Sequence 66, Appli
C 8	54	5.8	1837	2 US-08-743-637B-33	Sequence 33, Appli
C 9	54	5.8	1837	3 US-08-526-840B-33	Sequence 33, Appli
C 10	54	5.8	1837	4 US-09-144-776B-15	Sequence 15, Appli
C 11	52.8	5.6	696	3 US-09-107-532A-1647	Sequence 1647, Ap
C 12	52	5.6	615	3 US-08-998-416-186	Sequence 186, App
C 13	52	5.6	636	3 US-08-998-416-1137	Sequence 1137, Ap
C 14	52	5.6	20674	4 US-09-641-638-651	Sequence 651, App
C 15	50.2	5.4	711	4 US-09-601-198-111	Sequence 111, App
C 16	49.4	5.3	19124	2 US-08-487-826B-13	Sequence 13, Appli
C 17	47.6	5.1	660	1 US-07-991-867B-32	Sequence 32, Appli
C 18	47.6	5.1	660	2 US-08-107-755A-32	Sequence 32, Appli
C 19	47.6	5.1	660	4 US-09-370-861A-32	Sequence 32, Appli
C 20	47.6	5.1	4810	3 US-08-852-629-11	Sequence 11, Appli
C 21	47.6	5.1	4838	3 US-08-852-629-15	Sequence 15, Appli
C 22	47.6	5.1	1664976	4 US-08-916-421B-1	Sequence 1, Appli
C 23	47.4	5.0	1692	4 US-09-601-198-63	Sequence 63, Appli
C 24	47	5.0	6124	4 US-08-213-419B-3	Sequence 3, Appli
C 25	46.8	5.0	543	4 US-09-134-001C-129	Sequence 129, App
C 26	46.6	5.0	5332	4 US-09-801-861-3	Sequence 3, Appli
C 27	46.6	5.0			

28	46.2	4.9	20674	4	US-09-641-638-651	Sequence 651, App
29	46	4.9	615	3	US-08-998-416-186	Sequence 186, App
30	45.4	4.9	837	3	US-08-998-416-288	Sequence 288, App
C 31	45.2	4.8	19124	2	US-08-487-826B-13	Sequence 13, Appli
32	45	4.8	1866	4	US-09-601-198-153	Sequence 153, App
33	44.4	4.7	1431	3	US-09-316-083-2	Sequence 2, Appli
34	44.4	4.7	1431	4	US-09-933-700-2	Sequence 1, Appli
C 35	44.4	4.7	168575	4	US-09-426-290-1	Sequence 1, Appli
C 36	44.2	4.7	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C 37	44	4.7	658	3	US-08-998-416-595	Sequence 595, App
C 38	44	4.7	1850	3	US-08-617-860B-32	Sequence 32, Appli
C 39	44	4.7	4098	2	US-08-605-106-4	Sequence 4, Appli
C 40	44	4.7	5340	4	US-09-627-122-21	Sequence 21, Appli
C 41	43.8	4.7	665	2	US-08-883-795A-36	Sequence 36, Appli
C 42	43.6	4.7	14066	4	US-09-601-198-56	Sequence 56, Appli
C 43	43.4	4.6	1056	4	US-09-134-001C-1550	Sequence 1550, Ap
C 44	43.2	4.6	825	4	US-09-134-001C-158	Sequence 158, App
45	43	4.6	636	3	US-08-998-416-1137	Sequence 1137, Ap

ALIGNMENTS

RESULT 1
US-07-991-867B-8/c
; Sequence 8, Application US/07991867B
; Patent No. 5476781
; GENERAL INFORMATION:
; APPLICANT: Moyer, Richard W.
; APPLICANT: Hall, Richard L.
; APPLICANT: Gruidl, Michael E.
; TITLE OF INVENTION: No. 5476781 Entomopoxvirus Expression System
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David R. Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/991.867B
; FILING DATE: 12-DEC-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 92/14818
; FILING DATE: 12-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,685
; FILING DATE: 30-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/657,584
; FILING DATE: 19-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Saliwanchik, David R.
; REGISTRATION NUMBER: 31,794
; REFERENCE/DOCKET NUMBER: UF114.C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1511 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:

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; ORGANISM: Amsacta moorei entemopoxvirus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (18..218)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (234..782)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 852..1511
; US-07-991-867B-8

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Query Match 6.5%; Score 60.6; DB 1; Length 1511;
 Best Local Similarity 44.9%; Pred. No. 0.0004;
 Matches 372; Conservative 0; Mismatches 439; Indels 18; Gaps 3;

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QY 37 AAACATAAATAAATACATTTATAAAATTTCTAAATAACAGAAATCTGATTTTAACT 96
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1418 AAATTTTATCAATCTATATTTATTTTAAACATTTGAAAGATATATCTAATTTTAA 1359
QY 97-ACCTACTCTATTCATGATTCCTGACGAGTAAATACATTTAATTAAGGAGAAAATG 156
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1358 ATTAATTAATTTTCTATAAATTTATAATCTTTTATTTGATTCATTCATTTAACTC 1299
QY 157 AAAAGAGTTAAACATCATCAAAATAGTTTTCATTAATACAGTCACTGATTTCTACTAT 216
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1298 AACTATACATAGGAAAACATTTTAAAGTTTACCATAATTTATTTTGTAGATTTATAA 1239
QY 217 TTCACCTA---TCATCAAGTACTCTAAGAAAACATTTGGAATGTTAAAGTGAATTA 273
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1238 TTTTATTAATTTTACTAATTAATTAATAAATTTATATGATTTATTTATCATGATTCACA 1179
QY 274 CTTATGATPACACTATACTCTCTTATGATTAATAAGATTCGAGGTAATTTTCAACG 333
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1178 ATTTAAAAATTCATAGATGCTGATGATTAATTTTAAATTTGCTATTTTCTTTTATA 1119
QY 334 ACACACACATTAACATTTGATCTCAAAATATAGAGGAAAGACATTTATATATAGTTC 393
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1118 AGATATCTAATGATGTTATATTTTAAATTTGCTATTTTAAATTTTAAATTAATTAAT 1059
QY 394 GAAATGCTTTATGAGGCTCTCAAAATTTAAACAGATGATCATGATGATGTTTGGGA 453
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1058 TAAATTTGAATATATAAATTTTAAATTTTCTGGAATATTTTAAATATTTATTTATC 999
QY 454 TTATTTTATCTTTAATCTCACACCGGTGAGTACATCTATGAGGAATTTACCGCTGCT 513
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
998 ATATATATATATGCAATCTCTTAAATTAATTTTAAATTTTAAATATATATTAAT 939
QY 514 CAAATAATAAGTAATATCAATAATTTATGGAATCTATTTTAAATATATATTAAT 573
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
938 AACATTTCTGTTTATTTATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAAT 879
QY 574 CAGAACTTAATAACAGATTTCTAGAAAAGGATATCGTAATTTTCCAGGAAATGAC 633
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
878 AATTATATCAGATTTAGTAATCTCAATTTTGAATTTTATTTTTCATTTGATTAAT 819
QY 634 TTTAAATCAGAAAATACCTTTATGGAATATTAATAATTTATGACCTCTCTCTTAT 693
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
818 TTTTATTTGAAAATATATCAATTAATAAATAAATTTGATGCAAAATTTATAGATATTTATC 760
QY 694 GTRAGCGCAGATCCAAATTTGCAAAAGATGCGAAATGAGCAATGAGCAATGATTT 753
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
759 TCTATGTTTTCGGCAAAACACAGATTTGATGCAAAATTTATAGATATTTTATC 700
QY 754 GACTCACCAGATGAGGACTAGATCAGATATTTTTCGCAATATTAAGATAATAGAAAT 813
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699 TAATCA-----AAATGTTAATTTAATCAATCAATATATAGATAATAGATTT 654
QY 814 ATCAATATCAAGAACTTTAGCTATTTTCGATATTTTATCTTTGAAAATAT 862
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653 ATAATAATAAATAATAAATCATGACGGAATATATTTAAATAGAAAT 605

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RESULT 2
US-08-107-755A-8/c
; Sequence 8, Application US/08107755A
; Patent No. 5721352
; GENERAL INFORMATION:
; APPLICANT: Moyer, Richard W.
; APPLICANT: Hall, Richard L.
; APPLICANT: Gruidl, Michael E.
; TITLE OF INVENTION: No. 5721352el Entomopoxvirus Expression System
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David R. Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: Florida
; COUNTRY: U.S.A.
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/107,755A
; FILING DATE: 19-AUG-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,658
; FILING DATE: 30-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/657,584
; FILING DATE: 19-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Saliwanchik, David R.
; REGISTRATION NUMBER: 31,794
; REFERENCE/DOCKET NUMBER: UFI14.C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (904) 375-8100
; TELEFAX: (904) 372-5800
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1511 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Amsacta moorei entemopoxvirus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (18..218)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (234..782)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 852..1511
; US-08-107-755A-8

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Query Match 6.5%; Score 60.6; DB 1; Length 1511;
 Best Local Similarity 44.9%; Pred. No. 0.0004;
 Matches 372; Conservative 0; Mismatches 439; Indels 18; Gaps 3;

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QY 37 AAACATAAATAAATACATTTATAAAATTTCTAAATAACAGAAATCTGATTTTAACT 96
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1418 AAATTTTATCAATCTATATTTATTTTAAACATTTGAAAGATATATCTAATTTTAA 1359
QY 97-ACCTACTCTATTCATGATTCCTGACGAGTAAATACATTTAATTAAGGAGAAAATG 156
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1358 ATTAATTAATTTTCTATAAATTTATAATCTTTTATTTGATTCATTCATTTAACTC 1299
QY 157 AAAAGAGTTAAACATCATCAAAATAGTTTTCATTAATACAGTCACTGATTTCTACTAT 216
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gravelle, Micheline
REGISTRATION NUMBER: 40,261
REFERENCE/DOCKET NUMBER: 7841-062
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 665 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE: cdna
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: Rh 32
US-08-883-795A-36

Query Match 6.3%; Score 59; DB 2; Length 665;
Best Local Similarity 49.5%; Pred. No. 0.00077;
Matches 238; Conservative 0; Mismatches 235; Indels 8; Gaps 3;

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QY 2 AACCTTGACATTTTAAATGGAAGTGGCAGCTCCCTAAAGAACTAAATATAATACATTTATA 61
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Db 605 AACCTCGCTCTTTTAAATTTTCTCTCTCTTTTAACTATTTTATAAATATTGAATATA 546
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QY 62 AAATTTCTAAATAACAGAAATCGATTTTAACTACTTACTCTATTTTCATCTATCTC 121
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Db 545 AAATATGTAATATAAATCTTTTAAATATAAATATGTAATATAAATCTTTTAAATATA 486
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QY 122 GTACGAGTAATACATTTTAAATAGGAGAAATGAAAGATTAAACATCATCAAAATAG 181
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Db 485 AAATATGTAATATAAATCTTTTAAATATAAATATGTAATATAAATATGTAATATAAACA 426
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QY 182 TTTTCAATAATACAGCATACTGAT-----TTCTACTTATTTCCACCTATCATCAAAAGTGA 236
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Db 425 TTTTAAATATAAATATGTAATATAAATATAAATTTTAAATATAAATATGTAATATAAACA 366
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QY 237 CTCATAGAAAGCATTTCCGAAATGTTAAAGTGATTTTATGATCATCACTATCACTCC 296
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Db 365 TTTTAAATATAAATATGTAATATAAATATAAATTTTAAATATAAATATGTAATATAAACA 306
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QY 297 TTATGATTAT-AAAGATTGCGAGGTAAATTTTCAACGACACACACATTAACATTCATA 355
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Db 305 TTTTAAATATAAATATTTAAATATAAATTTTAAATATAAATATTTAAATATAAATA 246
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QY 356 CTCAAA--AATATAGAGGAAAGACTATTATATTAGTTCGAAATGCTTTATGAGGCCTC 413
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Db 245 TTTTAAATATAAATATTTAAATATAAATTTTAAATATAAATATTTAAATATAAATA 186
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QY 414 TCAAAATTTAAACGAGATGATCATGATGATGTTTGGATTAATTTTATATTTCTTAATTC 473
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Db 185 TTTTAAATATAAATATTTAAATATAAATTTTAAATATAAATATTTTAAATATAAATA 126
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QY 474 T 474
Db 125 T 125
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RESULT 6

US-08-998-416-288/c
Sequence 288, Application US/08998416
Patent No. 6239264
GENERAL INFORMATION:
APPLICANT: Philippsen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgens
APPLICANT: Knechtie, Philipp

APPLICANT: Reibschung, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPHII
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/998,416
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PE/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 288:
SEQUENCE CHARACTERISTICS:
LENGTH: 837 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE: PAG1241RP
ORGANISM: PAG1241RP
US-08-998-416-288

Query Match 6.2%; Score 58.4; DB 3; Length 837;

Best Local Similarity 47.3%; Pred. No. 0.0011;
Matches 276; Conservative 0; Mismatches 301; Indels 7; Gaps 3;

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Db 609 TATAATATTTTAAATTAATTAATTAATGATAAAATATTAAATTAATTAATTAATTAAT 550
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QY 101 ACTGCTATTTTCATGTTCTCGTACGAGTAAATACATTTAAATTAAGGAGAGAAAAATGAAA 160
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Db 549 TAAATATATATATATATATATATATATATATATATATATATATATATATATATATAT 490
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QY 161 AGATTAACATCATCAAAATAGTTTTCATATATATACAGTCATCACTGATTTTCTACTTATTTCA 220
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Db 489 AGAAATTTAAAGTTTAAATTTAAATTTAAATTTCTTATATAAAGATTTAAATATATATAA 430
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QY 221 CCTATCATCAAGTGACTCTTAAGAAACACATTTTCGAATGTTAAAGTGATTTTACTTTATG 280
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Db 429 ---ATCAACATATATTTTATAAATAATAGATATATATAAATAATTAATTTTACAATATT 373
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QY 281 CATACACTATAACTCTCTTATGATTATAA---AGATTGCGAGGTAAATTTTTCACGACAC 337
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Db 372 TAAATATATATATCTTTTATAATATAAATAATATATATTTTAAATTAACAAATTAATAATA 313
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QY 338 ACATTTAAACATTTGACTACTCAAAATATATAGAGGAAAGACTATATATATAGTTCCGA-A 396
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Db 312 ATATATTAATTAATGATAATCTATTTAAATATTTTAAAGAAAAATATAATATATCTATAA 253
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QY 397 ATGCTCTTATGAGGCCTCTCAAAATTTTAAACGAGATCATGATCATGTTTGTGGATTA 456
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Db 252 ATATTTTAAATAACTAATTTTAAATTTGAACATAGACATAAATAGTATTATTAATTAATTAAT 193
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: CH 0016/97
; FILING DATE: 31-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Meigs, J. Timothy
; REGISTRATION NUMBER: 38,241
; REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8689
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 186:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 615 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: PAG1074RP
; US-08-998-416-186

Query Match          5.6%; Score 52; DB 3; Length 615;
Best Local Similarity 47.2%; Pred. No. 0.021;
Matches 189; Conservative 0; Mismatches 210; Indels 1; Gaps 1;

Qy 7 TGACTATTAAATGGAAGTCCACTCCTTAAACAACTAAATATAATACATTTATAAAATT 66
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Db 413 TAAAAATAGATATTATATAAAAAATAATTTTACAATATTTAATAAATAAATCTTTA 354

Qy 67 TCTAAATAACAGAAATCTGATTTTAACTACTTACTGCTATTTTCATGATTCCTCGTAG 126
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 353 TAATAATAATGATGAAATTAAGTAAATATATAAATAATATAATAAGTATTATAATCA 114

Qy 306 TAAAGATTGCGGGTAAATTTTCAACGACACACACATTAACATTCATACTCAAAAATA 365
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 113 AATAAATAATTATTAATAATGATAATAATAGTTTAAATAATTAATAATAATTA 54

Qy 127 AGTAATACATTTAATTAAGGAGAAA-AATGAAAAGATTAAACATCATCAAAATAGTTT 185
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 293 TCTATTAAATTAATTATTAAGAAAATAAATAATCTAATAATAATTTTAATACTAATTT 234

Qy 186 CATAATTACAGTCATCTACTGATTTTCTACTTATTTCCACCTATCATCAAAAGTGACTCTAAGAA 245
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Db 233 AAAATTTGAACATAGACTAAATAGTATTTCATATTAAATATATTTTATAATATATAAA 174

Qy 246 AGACATTTGGAATGTTAAAGTGATTTACTTTTATGCTACATCACTATACTCTTATGATTA 305
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 173 TATTAAATAATGATGAAATTAAGTAAATATATAAATAATATAATAAGTATTATAATCA 114

Qy 306 TAAAGATTGCGGGTAAATTTTCAACGACACACACATTAACATTCATACTCAAAAATA 365
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 113 AATAAATAATTATTAATAATGATAATAATAGTTTAAATAATTAATAATAATTA 54

Qy 366 TAGAGGGAAGACTATTATATTAGTTCGGAATGCTTTAT 405
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Db 53 TAATAAAAAAGTTTATATTAATCTTTATAAATAAATAT 14

RESULT 14
US-09-998-416-1137/c
; Sequence 1137, Application US/089998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtle, Philipp
; APPLICANT: Rebschung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPHII
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation
; STREET: 3054 Cornwallis Road
; CITY: Research Triangle Park
```

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; STATE: No. 6239264th Carolina
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/998,416
; FILING DATE: 24-DEC-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: CH 0016/97
; FILING DATE: 31-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Meigs, J. Timothy
; REGISTRATION NUMBER: 38,241
; REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8689
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 1137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 636 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: PAG1692RP
; US-08-998-416-1137

Query Match          5.6%; Score 52; DB 3; Length 636;
Best Local Similarity 47.2%; Pred. No. 0.021;
Matches 189; Conservative 0; Mismatches 210; Indels 1; Gaps 1;

Qy 7 TGACTATTAAATGGAAGTCCACTCCTTAAACAACTAAATATAATACATTTATAAAATT 66
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 413 TAAAAATAGATATTATATAAAAAATAAATAATTTTACAATATTTAATAAATAAATCTTTA 354

Qy 67 TCTAAATAACAGAAATCTGATTTTAACTACTTACTGCTATTTTCATGATTCCTCGTAG 126
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 353 TAATAATAATGATGAAATTAAGTAAATATATAAATAATATAATAAGTATTATAATCA 294

Qy 127 AGTAATACATTTAATTAAGGAGAAA-AATGAAAAGATTAAACATCATCAAAATAGTTT 185
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 293 TCTATTAAATTAATTATTAAGAAAATAAATAATCTAATAATAATTTTAATACTAATTT 234

Qy 186 CATAATTACAGTCATCTACTGATTTTCTACTTATTTCCACCTATCATCAAAAGTGACTCTAAGAA 245
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 233 AAAATTTGAACATAGACTAAATAGTATTTCATATTAAATATATTTTATAATATATAAA 174

Qy 246 AGACATTTGGAATGTTAAAGTGATTTACTTTTATGCTACATCACTATACTCTTATGATTA 305
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 173 TATTAAATAATGATGAAATTAAGTAAATATATAAATAATATAATAAGTATTATAATCA 114

Qy 306 TAAAGATTGCGGGTAAATTTTCAACGACACACACATTAACATTCATACTCAAAAATA 365
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 113 AATAAATAATTATTAATAATGATAATAATAGTTTAAATAATTAATAATAATTA 54

Qy 366 TAGAGGGAAGACTATTATATTAGTTCGGAATGCTTTAT 405
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 53 TAATAAAAAAGTTTATATTAATCTTTATAAATAAATAT 14

RESULT 14
US-09-641-638-651/c
; Sequence 651, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
```

APPLICANT: Chumakov, Ilya
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM
FILE REFERENCE: GENSET.051CP1
CURRENT APPLICATION NUMBER: US/09/641,638
CURRENT FILING DATE: 2000-08-16
PRIOR APPLICATION NUMBER: US 09/502,330
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: US 60/133,200
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: US 09/275,267
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: US 60/119,917
PRIOR FILING DATE: 1999-02-12
NUMBER OF SEQ ID NOS: 1304
SOFTWARE: Patent.pm
SEQ ID NO 651
LENGTH: 20674
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1123..3123
OTHER INFORMATION: 5'regulatory region
NAME/KEY: exon
LOCATION: 3124..3297
OTHER INFORMATION: exon 1
NAME/KEY: exon
LOCATION: 3871..4072
OTHER INFORMATION: exon 2
NAME/KEY: exon
LOCATION: 5552..5633
OTHER INFORMATION: exon 3
NAME/KEY: exon
LOCATION: 5758..5880
OTHER INFORMATION: exon 4
NAME/KEY: exon
LOCATION: 5996..6099
OTHER INFORMATION: exon 5
NAME/KEY: exon
LOCATION: 6349..6509
OTHER INFORMATION: exon 6
NAME/KEY: exon
LOCATION: 7379..7522
OTHER INFORMATION: exon 7
NAME/KEY: exon
LOCATION: 8645..8854
OTHER INFORMATION: exon 8
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LOCATION: 12254..12340
OTHER INFORMATION: exon 9
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LOCATION: 12854..13023
OTHER INFORMATION: exon 10
NAME/KEY: exon
LOCATION: 13308..13429
OTHER INFORMATION: exon 11
NAME/KEY: exon
LOCATION: 16567..16667
OTHER INFORMATION: exon 12
NAME/KEY: exon
LOCATION: 16775..16945
OTHER INFORMATION: exon 13
NAME/KEY: exon
LOCATION: 17063..17554
OTHER INFORMATION: exon 14
NAME/KEY: misc_feature
LOCATION: 17555..20674
OTHER INFORMATION: 3'regulatory region
NAME/KEY: allele
LOCATION: 1128
OTHER INFORMATION: 10-508-191 : polymorphic base C or T

NAME/KEY: allele
LOCATION: 1182
OTHER INFORMATION: 10-508-245 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 1559
OTHER INFORMATION: 10-509-284 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 1570
OTHER INFORMATION: 10-509-295 : deletion of C
NAME/KEY: allele
LOCATION: 1827
OTHER INFORMATION: 10-510-173 : variable motif ATTTA or TTTTT
NAME/KEY: allele
LOCATION: 2048
OTHER INFORMATION: 10-511-62 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 2323
OTHER INFORMATION: 10-511-337 : insertion of T
NAME/KEY: allele
LOCATION: 2341
OTHER INFORMATION: 10-512-36 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 2623
OTHER INFORMATION: 10-512-318 : polymorphic base A or G
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OTHER INFORMATION: 10-513-250 : polymorphic base A or G
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OTHER INFORMATION: 10-513-352 : polymorphic base A or G
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LOCATION: 2947
OTHER INFORMATION: 10-513-365 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 3802
OTHER INFORMATION: 12-206-81 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 4062
OTHER INFORMATION: 10-343-231 : deletion of C
NAME/KEY: allele
LOCATION: 4088
OTHER INFORMATION: 12-206-366 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 4109
OTHER INFORMATION: 10-343-278 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 4170
OTHER INFORMATION: 10-343-339 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 5903
OTHER INFORMATION: 10-346-23 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 6019
OTHER INFORMATION: 10-346-141 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 6141
OTHER INFORMATION: 10-346-263 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 6183
OTHER INFORMATION: 10-346-305 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 6338
OTHER INFORMATION: 10-347-74 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 6375
OTHER INFORMATION: 10-347-111 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 6429
OTHER INFORMATION: 10-347-165 : polymorphic base C or T
NAME/KEY: allele

[illegible]

Qy	35	AAAACTAAAAATATAAATACATTTATTAATAATTTCTAAATAAACAGAAATCTGATTTTTAA	94
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Qy	95	CTACTTACTGCTATTTTCATGTATTCCTCGTAGGACTAATACATTTTAATTAAGGAGAAAAA	154
Db	203	TAAACAATTTTAGATATCATTAATAATTCATTCGTATCAAAATGTTTAATTAATTAAGAAAA	-- 260
Qy	155	TGAAAAAGATTACATCATCAAAATAGTTTTCATAAATTACAGTCATACTGATTTCTACTT	214
Db	261	-TAAAAATATTTATAAGCAAGGAATAGTTTAATTTTATTTGATTTAGTAAATTAATATCA	319
Qy	215	ATTTCACTTCATCAAAAGTCACCTCAAGAAAGACATTTCCAAATGTTTAAAGTCATTTAC	274
Db	320	TTGAAAAAATCAAAATCTCATCAGACACATTAATTTTGAACGATTCAAAATGAGGTAG	379
Qy	275	TTTATGCATACACTATAACTCCTTATGATTATAAAGATTGCAGGGTAAATTTTTCACAGA	334
Db	380	TTAATTTGAAATTTATTTTATTTACTTATTAATTTTAACAATTCATATTTTAATTTGATCCAAAT	439
Qy	335	CACACACATTAACAAATTTGATCTACAAAAATATAGAGGGAAGACTATATATATTAGTTCCG	394
Db	440	GAAAAAATATGTTTTTAAATTAATAAAGATGAATCTAAAGGTGAATTAGTACCAATTT	499
Qy	395	AAATGTCCTTATGAGCGCTCTCAAAATTTTAAACGAGATGATCATGTAGATGTTTTTGGAT	454
Db	500	TATTACATAATTATGGTTTTTGTGGATTTTGTGTGACAGTCTAAATCACAGAAATTTTTTAA	559
Qy	455	TATTTTATATCTTAAATCTCACACCGGTGAGTACATCTATGGAGGAATTTACGCGCTGCT	514
Db	560	AAGCTTATCGTGTCAAGATGAA - -TTCATAAAATCTGTTTTAAATTTAGGCGATAACTT	617
Qy	515	AAAAATAAAGTAAGTAATCATAAATTAATTTGGAAATCTATTTATTTTCGGGAGAAATCTCAAC	574

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Qy | | | | | | | | | | | | | | | | | | | | | |
575 AGRACCTTAAATAACAAG 591
Db | | | | | | | | | | | | | | | | | | | | | |
678 AGATCATATAATTTTAG 694

Search completed: August 28, 2003, 02:51:06
Job time : 89 secs